

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### FOIL and Factor solution (version 101)

FOIL the expressions shown below:

1.  $(x - 1)(x + 5)$

$$x^2 + 4x - 5$$

2.  $(x + 8)(x - 7)$

$$x^2 + x - 56$$

3.  $(x - 7)(x - 1)$

$$x^2 - 8x + 7$$

4.  $(x + 8)(x + 5)$

$$x^2 + 13x + 40$$

5.  $(x + 4)(x - 4)$

$$x^2 - 16$$

**Factor the expressions shown below:**

6.  $x^2 + 8x + 7$

$$(x + 7)(x + 1)$$

7.  $x^2 + 7x + 10$

$$(x + 5)(x + 2)$$

8.  $x^2 - 7x + 12$

$$(x - 3)(x - 4)$$

9.  $x^2 - 6x + 5$

$$(x - 5)(x - 1)$$

10.  $x^2 - 4x - 21$

$$(x + 3)(x - 7)$$